MARTOXID® MRS

ALBEMARLE®

Einsatzbeispiele / Applications

Oxidkeramik mit hohen Al_2O_3-Gehalten, insbesondere für mechanisch, thermisch, chemisch und elektrisch extrem belastbare keramische Komponenten; Hochleistungszündkerzen, Substrate und ballistische Anwendungen.

Oxide ceramics of high Al_2O_3-content, subjected to extremely high mechanical, thermal, chemical and electrical loads; high efficiency spark plugs, substrates and armor protection.

Durchschnittsanalyse / Typical analysis

Al_2O_3	[%]	≈ 99.8
Na_2O total		< 0.05
CaO		≈ 0.01
Fe_2O_3		≈ 0.03
SiO_2		≈ 0.05
α-Al_2O_3	[%]	> 95
Glühverlust / Loss on Ignition	[%]	≤ 0.1
Spezifische Oberfläche / Specific Surface Area (BET)	[m^2/g]	1.5 – 2.5
Primärkorn / Primary Crystal	[µm]	≈ 1.0 – 1.4
Schüttdichte / Bulk Density	[kg/m^3]	≈ 900
Korngrößenverteilung / Particle Size Distribution (Siebung / Screening)		
> 106 µm	[%]	20 – 50
106 – 63 µm	[%]	35 – 60
63 – 45 µm	[%]	1 – 15
< 45 µm	[%]	0 – 20

ZERTIFIZIERTES DIN EN ISO 9001 DQS QUALITÄTSMANAGEMENTSYSTEM REG.-NR. 62

Die oben genannten Werte sind nur als Richtwerte zu verstehen und nicht etwa als zugesicherte Eigenschaften.
The above mentioned values should be taken only as indications and not as guaranteed properties.

Shipping Information

Transportation classification: not regulated for transportation
Harmonized tariff number: 28182000

Packaging and minimum order quantity information is available from sales or customer service.

Safety and Handling Information

For specific safety, toxicity and handling information, please refer to the material safety data sheet on this product.

Chemical Registration Numbers

Chem. Bezeichnung:	Aluminiumoxid
Formel:	Al_2O_3
CAS No. :	1344-28-1
EG-/EINECS No.:	215-691-6
UN-Nr.:	–

ALBEMARLE®

ALBEMARLE and the Albemarle signet are registered trademarks of Albemarle Corporation.

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Albemarle Corporation. It is the responsibility of the user to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider any information contained herein, including information about any health or safety hazards, only as a guide, and should take those precautions that are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein described materials or processes in violation of existing or future patents.

Issue: October 2007
© 2007 Albemarle Corporation

AMERICAS

Albemarle Corporation
451 Florida Street
Baton Rouge,Louisiana 70801
Phone:+1-225-388 -7402
Fax:+1-225 -388 -7848

EUROPE, MIDDLE EAST, AFRICA

Albemarle Europe SPRL
Parc Scientifique de LLN
Rue du Bosquet 9
B-1348 Louvain-la-Neuve Sud,Belgium
Phone:+32-10-48-1711
Fax:+32-10-48-1717

Martinswerk GmbH
Kölner Straße 110
D-50127 Bergheim
Phone:+49-2271-902-465
Fax:+49-2271-902-710

ASIA PACIFIC

Albemarle Asia Pacific Company
480 Lorong 6 Toa Payoh
#16-01 HDB Hub East Wing
Singapore 310480
Phone: +65-6424-8400
Fax: +65-6424-8401

Albemarle Overseas Development Corporation
16th Floor, Fukoku Seimei Building
2-2, Uchisaiwaicho, 2-Chome
Chiyoda-ku, Tokyo 100-0011, Japan
Phone: +81-3-5251-2541
Fax: +81-3-3500-2547

Albemarle Chemicals China Corporation
Room 2208, Shui On Plaza
No. 333 Huaihai Zhong Road,
Shanghai 200021, China
Phone: +86-21-5306-1360
Fax: +86-21-5306-2420

Albemarle China Corporation
China World Tower, Room 1317
No. 1 Jian Guo Men Wai Avenue
Beijing 100004, China
Phone: +86-10-6505-4153 and -54
Fax: +86-10-6505-4150

Albemarle Korea Corporation
602 Trade Tower
World Trade Center
159-1 Samsung-dong, Kangnam-gu,
135-729 Seoul, Korea
Phone: +82-2-555-3005
Fax: +82-2-555-3002

INTERNET

www.albemarle.com
www.martinswerk.de